



Nevada Site Specific Advisory Board ***Table of Contents***

**Full Board Meeting Handouts for
Wednesday, September 20, 2017**

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has a link to the first page of each handout.**

**If you just want to print certain pages, the directions are: file, print, Pages to Print,
choose the radio button-Pages and enter just the pages that you want printed, then
choose print**

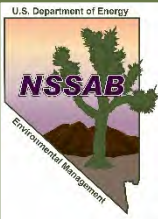
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NSSAB MEETING ATTENDANCE	
1	1997
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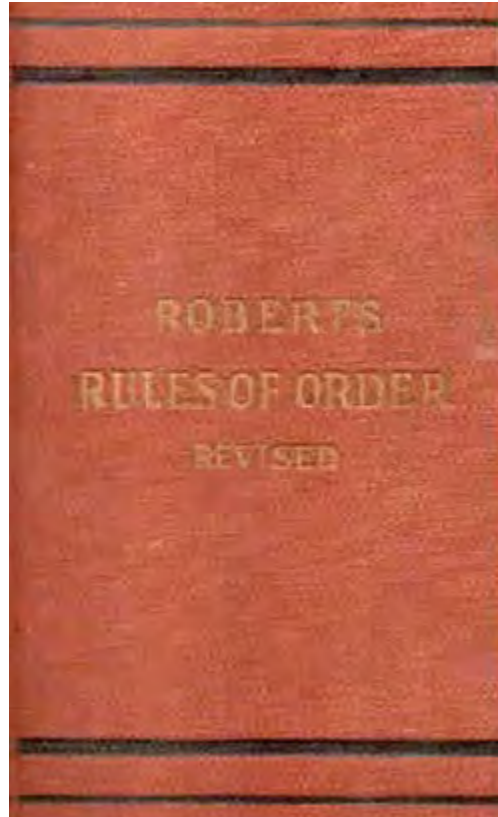
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October 2016 through September 2017 (FY 2017)

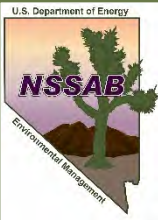
	Name	11/9/16	1/18/17	3/15/17	4/19/17	6/21/17	8/16/17	9/20/17	Max	Terms
MEMBERS										
	Michael Anderson	E	√	E	√	E	√			2020
	Amina Anderson	√	√	√	E	√	√			2020
	Arcadio Bolanos	√	E	E	√	√	√			2022
	Francis Bonesteel	√	√	√	√	√	√			2022
	Michael D'Alessio	√	E	√	E	E	√			2020
	Pennie Edmond	√	√	√	√	√	U			2020
	Karen Eastman	√	√	√	√	√	√			2022
	Raymond Elgin	√	√	U	√	√	√			2022
	Charles Fullen	√	√	√	√	E	E			2022
	Richard Gardner	√	√	√	√	√	√			2022
	Donald Neill	√	√	E	√	√	√	E		2020
	Autumn Pietras	√	√	√	E	√	E			2022
	Edward Rosemark	√	√	√	√	√	√			2018
	Steve Rosenbaum	√	√	√	√	√	√			2020
	William Sears	√	√	√	√	√	E			2018
	Cecilia Flores Snyder	E	√	E	√	√	E			2020
	Richard Stephans	√	√	√	√	√	E			2022
	Jack Sypolt	√	√	E	√	√	√			2018
	Richard Twiddy	√	√	√	√	√	E	E		2022
	Dina Williamson-Erdag	E	√	E	√	√	√			2022
LIAISONS										
	Clark County	√	√	√	√	√	√			
	Consolidated Group of Tribes & Organizations	E	√	√	E	E	√			
	Esmeralda County Commission	E	√	U	E	U	U			
	Nye County Commission	U	U	U	U	U	U			
	Nye County Emergency Management	E	E	E	√	E	√			
	Nye Co. Nuclear Waste Repository Project Office	√	√	√	√	√	√			
	State of NV Division of Env Protection	√	√	√	√	√	√			
	U.S. Natl Park Service	E	E	√	E	√	√			
	White Pine County Commission				E	√	E			
KEY: √ - Present E - Excused V - Vacant U - Unexcused										



Robert's Rules

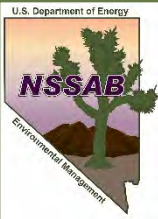


Frank Bonesteel, NSSAB Vice-Chair
September 20, 2017



Robert's Minimum

- To introduce (motion.)
- To change a motion (amend.)
- To adopt (accept a report without discussion.)
- To adjourn (end the meeting.)



Robert's Basics

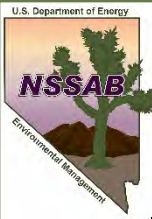
- Motion
- Postpone Indefinitely
- Amend
- Commit
- Question
- Table
- Adjourn



Robert's Recap

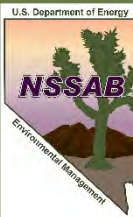
A main motion must be moved, seconded, and stated by the chair before it can be discussed.

- **If you want to move, second, or speak to a motion, *be recognized and address the chair.***
- **If you approve the motion as is, *vote for it.***
- **If you disapprove the motion, *vote against it.***
- **If you approve the idea of the motion but want to change it, *amend it or submit a substitute for it.***
- **If you want advice or information to help you make your decision, *move to refer the motion to an appropriate quorum or committee with instructions to report back.***
- **If you feel they can handle it better than the assembly, *move to refer the motion to a quorum or committee with power to act.***
- **If you feel that there the pending question(s) should be delayed so more urgent business can be considered, *move to lay the motion on the table.***



Robert's Recap 2

- **If you want time to think the motion over,** *move that consideration be deferred to a certain time.*
- **If you think that further discussion is unnecessary,** *move the previous question.*
- **If you think that the assembly should give further consideration to a motion referred to a quorum or committee,** *move the motion be recalled.*
- **If you think that the assembly should give further consideration to a matter already voted upon,** *move that it be reconsidered.*
- **If you do not agree with a decision rendered by the chair,** *appeal the decision to the assembly.*
- **If you think that a matter introduced is not germane to the matter at hand,** *a point of order may be raised.*
- **If you think that too much time is being consumed by speakers,** *you can move a time limit on such speeches.*
- **If a motion has several parts, and you wish to vote differently on these parts,** *move to divide the motion.*



QUESTIONS?

Robert's Rules Refresher Course Handouts

IN THE MEETING

TO INTRODUCE A MOTION:

Stand when no one else has the floor.

Address the Chair by the proper title.

Wait until the chair recognizes you.

- Now that you have the floor and can proceed with your motion say "I move that...", state your motion clearly and sit down.
- Another member may second your motion. A second merely implies that the seconder agrees that the motion should come before the assembly and not that he/she is in favor of the motion.
- If there is no second, the Chair says, "The motion is not before you at this time." The motion is not lost, as there has been no vote taken.
- If there is a second, the Chair states the question by saying "It has been moved and seconded that ...(state the motion). . ., is there any discussion?"

DEBATE OR DISCUSSING THE MOTION:

- The member who made the motion is entitled to speak first.
- Every member has the right to speak in debate.
- The Chair should alternate between those "for" the motion and those "against" the motion.
- The discussion should be related to the pending motion.
- Avoid using a person's name in debate.
- All questions should be directed to the Chair.
- Unless there is a special rule providing otherwise, a member is limited to speak once to a motion.
- Asking a question or a brief suggestion is not counted in debate.
- A person may speak a second time in debate with the assembly's permission.

VOTING ON A MOTION:

- Before a vote is taken, the Chair puts the question by saying "Those in favor of the motion that ... (repeat the motion)... say "Aye." Those opposed say "No." Wait, then say "The motion is carried," or "The motion is lost."
- Some motions require a 2/3 vote. A 2/3 vote is obtained by standing
- If a member is in doubt about the vote, he may call out "division." A division is a demand for a standing vote.
- A majority vote is more than half of the votes cast by persons legally entitled to vote.
- A 2/3 vote means at least 2/3 of the votes cast by persons legally entitled to vote.
- A tie vote is a lost vote, since it is not a majority.

PARLIAMENTARY PROCEDURE AT A GLANCE

		Debatable	Amendable	Can Be Reconsidered	Requires 2/3 Vote
Privileged Motions	Fix Time at Which to Adjourn	No	Yes	No	No
	Adjourn	No	No	Yes	No
	Question of Privilege	No	Yes	Yes	No
	Call for Order of Day	No	No	Yes	No
Incidental Motions	Appeal	Yes	No	Yes	No
	Objection to Consideration of a Question	No	No	Yes	Yes
	Point of Information	No	No	No	No
	Point of Order	No	No	No	No
	Read Papers	No	No	Yes	No
	Suspend the Rules	No	No	No	Yes
	Withdraw a Motion	No	No	Yes	No
Subsidiary Motions	Lay on the Table	No	No	Yes	No
	The Previous Question (close debate)	No	No	Yes	Yes
	Limit or Extend Debate	No	Yes	Yes	Yes
	Postpone to a Definite Time	Yes	Yes	Yes	No
	Refer to Committee	Yes	Yes	Yes	No
	Amend the Amendment	Yes	No	No	No
	Amendment	Yes	Yes	Yes	No
	Postpone Indefinitely	Yes	No	Yes	No
Main Motion	Main or Procedural Motion	Yes	Yes	Yes	No

This table presents the motions in order of precedence. Each motion takes precedence over (i.e. can be considered ahead of) the motions listed below it. No motion can supersede (i.e. be considered before) any of the motions listed above it.

PLEASE NOTE: many organizations use only the Main Motion and Subsidiary Motions, handling other matters on an informal basis.

PARLIAMENTARY PROCEDURE AT A GLANCE

TO DO THIS	YOU SAY THIS	MAY YOU INTERRUPT SPEAKER	MUST YOU BE SECONDED	IS MOTION DEBATABLE	WHAT VOTE REQUIRED
Adjourn meeting*	I move that we adjourn	No	Yes	No	Majority
Recess meeting	I move that we recess until...	No	Yes	No	Majority
Complain about noise, room temperature, etc.*	Point of privilege	Yes	No	No	No vote
Suspend further consideration of something*	I move we table it	No	Yes	No	Majority
End debate	I move the previous question	No	Yes	No	2/3 vote
Postpone consideration of something	I move we postpone this matter until...	No	Yes	Yes	Majority
Have something studied further	I move we refer this matter to committee	No	Yes	Yes	Majority
Amend a motion	I move this motion be amended by...	No	Yes	Yes	Majority
Introduce business (a primary motion)	I move that...	No	Yes	Yes	Majority
Object to procedure or personal affront*	Point of order	Yes	No	No	No vote, Chair decides
Request information	Point of information	Yes	No	No	No vote
Ask for actual count to verify voice vote	I call for a division of the house	No	No	No	No vote
Object consideration of undiplomatic vote*	I object to consideration of this question	Yes	No	No	2/3 vote
Take up a matter previously tabled*	I move to take from the table...	No	Yes	No	Majority
Reconsider something already disposed of*	I move we reconsider our action relative to...	Yes	Yes	Yes	Majority
Consider something already out of its schedule*	I move we suspend the rules and consider	No	Yes	No	2/3 vote
Vote on a ruling by the Chair	I appeal the Chair's decision	Yes	Yes	Yes	Majority

*Not amendable

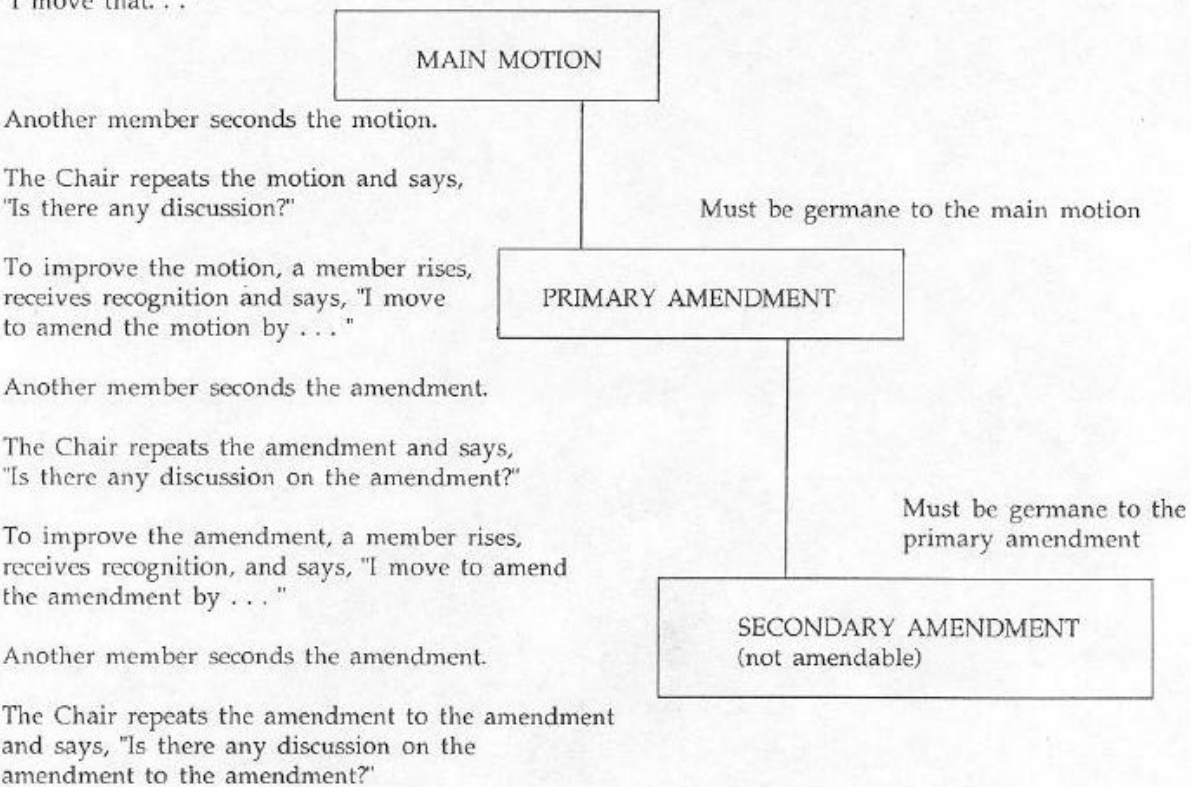
AMENDMENTS ILLUSTRATED

Any main motion or resolution may be amended by:

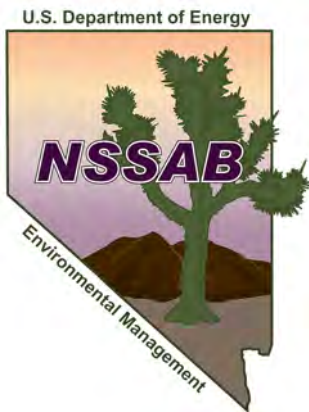
1. Adding at the end
2. Striking out a word or words
3. Inserting a word or words
4. Striking out and inserting a word or words
5. Substitution

A member rises, addresses the chair, receives recognition, and states the motion:

"I move that . . ."



- When discussion ceases, the Chair says, "Those in favor of the amendment to the amendment say 'Aye.' Those opposed say 'No.'"
- If the vote was in the affirmative, the amendment is included in the primary amendment. The Chair then says, "Is there any discussion on the amended amendment?"
- If there is no discussion, a vote is taken on the amended amendment. If the vote in the affirmative, the amendment is included in the main motion. The chair then says, "Is there any discussion on the amended motion?"
- At this place, the motion can again be amended.
- If there is no further discussion, a vote is taken on the amended motion.
- Even though the amendments carried in the affirmative, the main motion as amended can be defeated.



Nevada Site Specific Advisory Board

September 20, 2017

Members

Amina Anderson
Michael Anderson
Arcadio Bolanos
Frank Bonesteel (Vice-Chair)
Michael D'Alessio
Karen Eastman
Pennie Edmond
Raymond Elgin
Charles Fullen
Richard Gardner
Donald Neill
Autumn Pietras
Edward Rosemark
Steve Rosenbaum (Chair)
William Sears
Cecilia Flores Snyder
Richard Stephans
Jack Sybolt
Richard Twiddy
Dina Williamson-Erdag

Liaisons

Clark County
Consolidated Group of Tribes
and Organizations
Esmeralda County Commission
Nye County Commission
Nye County Emergency
Management
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service
White Pine County Commission

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
EM Nevada Program

Ms. Kelly K. Snyder
Deputy Designated Federal Officer
U.S. Department of Energy, EM Nevada Program
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Recommendation for Communication Improvement Opportunities
(Work Plan Item #9)

Dear Ms. Snyder,

The Nevada Site Specific Advisory Board (NSSAB) was asked to provide recommendations, from a community perspective, to the U.S. Department of Energy (DOE) on ways that DOE can improve/enhance communication to the public (i.e. presentations, open houses, documents, fact sheets). Interim suggestions from NSSAB Members were documented in the official minutes of each Full Board meeting.

During fiscal year 2017, the NSSAB made the following recommendations for ways DOE can improve/enhance communication to the public:

- DOE should videotape and produce DVDs of educational sessions, briefings, groundwater open houses, etc., and make them available to the public in rural communities in southern Nevada.
- DOE should increase advertisement of the public tours of the Nevada National Security Site (NNSS).
- DOE should do an interview on KPVM-TV before the NSSAB Full Board meeting in Pahrump, NV.
- DOE should provide follow-up and possibly an ongoing series on the NSSAB and NNSS on KPVM-TV.
- DOE should host a booth at the annual Earth Day event in Pahrump, NV.
- DOE should reach out to the Nye County liaisons to encourage attendance at the NSSAB meetings.
- DOE should increase public involvement with the kiosk and utilize the UNLV student intern newsletter as a model to get information into other universities/colleges in southern Nevada.

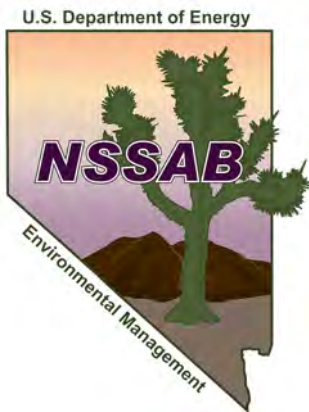
- DOE should conduct additional tours of the NNSS for local high school students.
- DOE should simplify the path to the NSSAB pages on its website.
- DOE should include more Nevada-specific articles in the Environmental Management (EM) Updates newsletter that is published by EM Headquarters.
- DOE should target certain communications to the intended audience rather than to the general public.
- DOE should reach out to communication students to write short articles of interest on the NNSS.

The Board appreciates the opportunity to provide meaningful input to DOE on ways to enhance/improve communication to the public.

Sincerely,

Steven Rosenbaum, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
R. F. Boehlecke, EM NV Program
C. E. Hampton, EM NV Program
NFO Read File



Nevada Site Specific Advisory Board

June 21, 2017

Mr. Robert Boehlecke
Operations Manager
U.S. Department of Energy, EM Nevada Program
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Nevada Site Specific Advisory Board (NSSAB)
Recommendation for Internal Peer Review Process
Improvement — Work Plan Item #6

Dear Mr. Boehlecke:

The NSSAB was asked to provide recommendations, from a community perspective, to the U.S. Department of Energy (DOE) on ways to enhance the Underground Test Area (UGTA) internal peer review process.

At the January 18th Full Board meeting, Bill Wilborn, UGTA Technical Activity Lead, provided a briefing on the internal peer review process in support of this work plan item. Three NSSAB subcommittees were formed to observe the internal peer review process for Rainier Mesa/Shoshone Mountain, Yucca Flat/Climax Mine (YF/CM), and the Pahute Mesa corrective action units.

From March to May 2017, Vice-Chair Frank Bonesteel and Members William Sears and Cecilia Flores Snyder observed the YF/SM Internal Peer Review for the Corrective Action Decision Document/Corrective Action Plan (CADD/CAP). At the June 21st Full Board meeting, this NSSAB subcommittee provided oral updates to the Board on their observations of the YF/CM Internal Peer Review.

Based on these updates and Board discussion, the NSSAB recommends that DOE conduct at least one face-to-face or WebEx meeting during the internal peer review process to improve efficiency, primarily due to the fact that much of communication is nonverbal. The NSSAB also recommends that there is flexibility in the length of the meetings to provide sufficient time for discussion.

The NSSAB appreciates the opportunity to observe the YF/CM Internal Peer Review for the CADD/CAP and to provide these recommendations and extends a special thanks to the UGTA Science Advisors and the YF/CM Internal Peer Review committee.

Sincerely,

Steven Rosenbaum, Chair

Members

Amina Anderson
Michael Anderson
Arcadio Bolanos
Frank Bonesteel (Vice-Chair)
Michael D'Alessio
Karen Eastman
Pennie Edmond
Raymond Elgin
Charles Fullen
Richard Gardner
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State of Nevada Division of
Environmental Protection
U.S. National Park Service
White Pine County Commission

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
EM Nevada Program

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
C. E. Hampton, EM/NFO
K. K. Snyder, EM/NFO
W. R. Wilborn, EM/NFO
NFO Read File



U.S. Department of Energy
Environmental Management
Nevada Program
P.O. Box 98518
Las Vegas, NV 89193-8518

SEP 06 2017

Steve Rosenbaum, Chair
Nevada Site Specific Advisory Board
232 Energy Way
North Las Vegas, NV 89030

RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)
RECOMMENDATION FOR INTERNAL PEER REVIEW PROCESS IMPROVEMENT
(WORK PLAN ITEM #6)

I would like to thank the NSSAB for taking the time to attend multiple internal peer reviews (IPR) related to the Underground Test Area activity and provide recommendations on how to enhance the process in your June 21st letter.

NSSAB Recommendation: DOE conduct at least one face-to-face or WebEx meeting during the internal peer review process to improve efficiency, primarily due to the fact that much of the communication is nonverbal.

DOE Response: DOE has shared the NSSAB recommendation with each of the IPR Chairs and asked that they consider this recommendation when tailoring the meeting relative to the audience and communication needs.

NSSAB Recommendation: There should be flexibility in the length of the meetings to provide sufficient time for discussion.

DOE Response: DOE has shared the NSSAB recommendation with each of the IPR Chairs and asked that they consider this recommendation. Also, IPR members will be polled to ensure we are achieving the intended goals through appropriate time management.

The Environmental Management Nevada Program appreciates the support of the NSSAB in this endeavor and the efforts made by the Board to provide recommendations. As always, the NSSAB's input is valued and your efforts are greatly appreciated.

SEP 06 2017

Please contact Kelly Snyder at (702) 295-2836 if further information on this matter is needed.



Bill R. Wilborn
UGTA Activity Lead
EM Nevada Program

EMO:12505.BW

cc via e-mail:

David Borak, DOE/HQ (EM-3.2)

Michelle Hudson, DOE/HQ (EM-3.2)

Barbara Ulmer, Navarro

NSSAB Members and Liaisons

Navarro Central Files

Rob Boehlecke, EM/NFO

Catherine Hampton, EM/NFO

Kelly Snyder, EM/NFO

NFO Read File

Long-Term Monitoring Fiscal Year (FY) 2017 Wrap Up and FY 2018 Planned Activities



Tiffany Lantow

Long-Term Monitoring Technical Lead
Nevada Site Specific Advisory Board (NSSAB)
September 20, 2017



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Long-Term Monitoring

- Long-Term Monitoring sites include Corrective Action Sites that are now closed under the Federal Facility Agreement and Consent Order (FFACO) and require some form of reporting, maintenance, or inspections
 - Closed Soils Sites
 - Closed Industrial Sites
 - Closed Underground Test Area (UGTA) Sites (Frenchman Flat)



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Log No 2017-169

Long-Term Monitoring FY 2017 Wrap Up

- Planned: Submit Resource Conservation Recovery Act (RCRA), Non-RCRA, and Tonopah Test Range (TTR) Post-Closure Reports to the State of Nevada Division of Environmental Protection (NDEP):
 - Status:
 - RCRA Post-Closure Report submitted March 2017
 - TTR Post-Closure Report submitted March 2017
 - Non-RCRA Post-Closure Report submitted May 2017
 - No significant items were identified



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Long-Term Monitoring FY 2017 Wrap Up

(continued)

- Planned: Continue to address revegetation efforts at Corrective Action Unit (CAU) 111
 - Status: Consolidated Group of Tribes and Organizations (CGTO) subgroup continuing to plan test plots on CAU 111 cover



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Long-Term Monitoring FY 2017 Wrap Up

(continued)

- Planned: Review existing post-closure monitoring/inspection requirements for potential changes
 - Status: Review is ongoing; changes will be recommended to NDEP when appropriate



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Long-Term Monitoring FY 2017 Wrap Up

(continued)

- Planned: Complete second year of long-term groundwater monitoring at Frenchman Flat
 - Status: Completed May 2017
 - Monitoring did not identify any concerns



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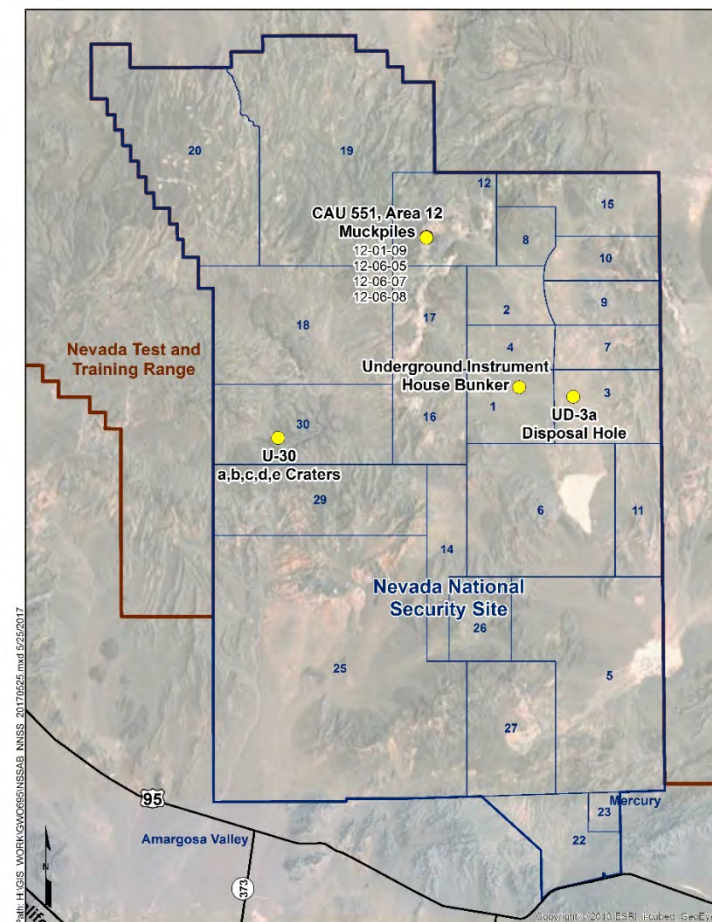
1686FY17 – 9/20/2017 – Page 6
Log No 2017-169

FY 2017 NSSAB Work Plan Item

- *Provide a recommendation regarding the proposed changes to current long-term requirements at closed Industrial Sites and Soils sites at the NNSS*

Status

- NSSAB Recommendation August 2017
- DOE Response Pending



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Long-Term Monitoring FY 2018 Planned Activities

- Submit Post-Closure Reports to NDEP
- Continue to address revegetation efforts at CAU 111
- Review existing post-closure monitoring/inspection requirements for potential changes



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Long-Term Monitoring FY 2018 Planned Activities (continued)

- Conduct annual Frenchman Flat closure sampling by March 2018
- Complete Frenchman Flat Post-Closure Monitoring Report by June 2018



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Soils

FY 2017 Wrap Up and FY 2018 Planned Activities



Tiffany Lantow

Long-Term Monitoring Technical Lead

September 20, 2017



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Remediation Processes

- Corrective Action Investigation Plan (CAIP) – Details the investigation plan and provides information for planning investigation activities
- Site Investigation – Act of conducting field characterization activities
- Corrective Action Decision Document (CADD) – Describes the results of the characterization, multiple corrective action alternatives, and the recommended corrective action alternative and the rationale for its selection
- Corrective Action Plan (CAP) – Plan for implementing the selected corrective action



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Remediation Processes

(continued)

- Closure Field Work - Implementation of the selected corrective action at the site
- Closure Report (CR) – Documented overview and results of corrective actions implemented, closure verification information, and use restriction and monitoring requirements (when applicable)

Note: All documents must be approved by NDEP



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Alternative Remediation Processes

- CADD/CR can be used when only “minor” corrective actions are needed, as agreed to by NDEP
- CADD/CAP can be used when site knowledge gained through characterization and similar historical corrective actions is sufficient, as agreed to by NDEP, for planning corrective actions
- Housekeeping process can be used when removal and disposal of debris/materials (such as batteries or drums) can be easily accomplished, and verification of clean closure is achieved through visual inspection and/or laboratory analysis of soil samples
- Streamlined Approach for Environmental Restoration (SAFER) process may be used only when extensive process knowledge or sampling data exists – this process combines the CAIP, CADD and CAP into one plan



Soils FY 2017 Wrap Up

- Clean Slate II Plutonium Dispersion (CAU 413)*
 - Planned: Submit the final CADD to NDEP
 - Status: CADD/CAP submitted in May 2017 and approved by NDEP in June 2017



- Clean Slate III Plutonium Dispersion (CAU 414)
 - Planned: Submit the final CADD to NDEP
 - Status: CADD/CAP milestone moved to December 2017

* CAU is tied to a FY 2017 NSSAB Work Plan Item



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Soils FY 2017 Wrap Up

(continued)

- Area 3 Plutonium Dispersion Sites (CAU 568)
 - Planned: Submit the final Closure Report to NDEP
 - Status: Closure Report submitted in June 2017 and approved by NDEP in July 2017



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Soils FY 2017 Wrap Up

(continued)



- Alpha Contaminated Sites (CAU 573)
 - Planned: Submit the final Closure Report to NDEP
 - Status: Closure Report submitted to and approved by NDEP in April 2017



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Soils FY 2017 Wrap Up

(continued)

- Miscellaneous Radiological Sites and Debris (CAU 576)*
 - Planned: Submit the final CAIP to NDEP
 - Status: CAIP submitted in December 2016 and approved by NDEP in January 2017
 - Planned: Submit the final CADD to NDEP
 - Status: CADD milestone moved to May 2018



* CAU is tied to a FY 2017 NSSAB Work Plan Item



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Soils FY 2017 Wrap Up

Additional Activities

- Area 15 Miscellaneous Sites (CAU 575)
 - Planned: Submit the final Closure Report to NDEP
 - Status: Closure Report on schedule for submittal by September 2017 milestone

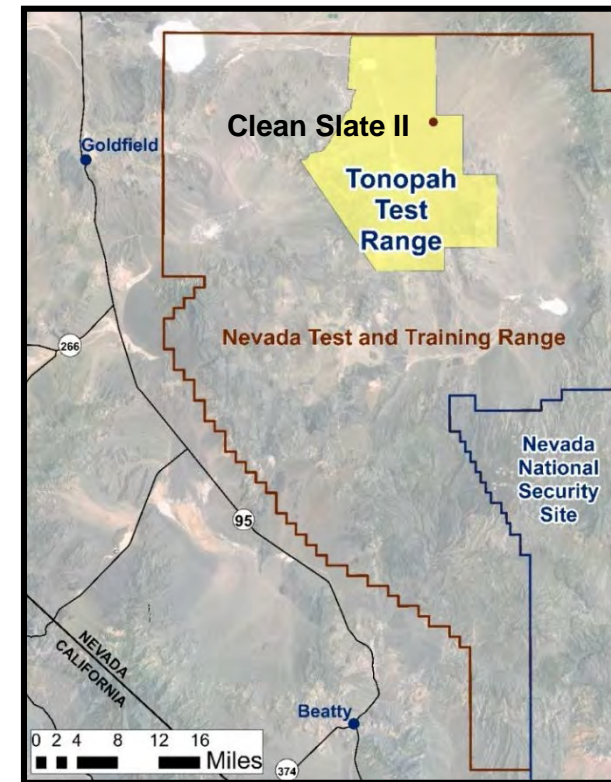


FY 2017 NSSAB Work Plan Items

- *Provide a recommendation as to which path forward option should be pursued for Clean Slate II*

Status

- NSSAB Recommendation November 2016
- DOE Response January 2017
- Update: DOE continues to pursue clean closure for the Clean Slate II site
 - Contaminated soil removal scheduled to begin late September 2017
 - Waste shipments will likely begin late October 2017



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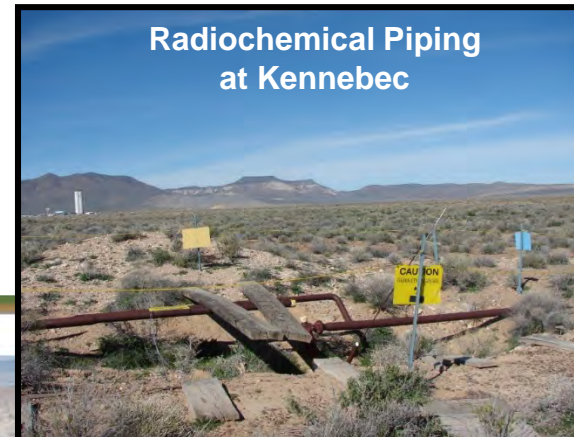
FY 2017 NSSAB Work Plan Items

(continued)

- Provide a recommendation on which corrective action alternative (closure in place or clean closure) should be selected by the DOE for CAU 576 – Misc. Radiological Sites and Debris*

Status

- NSSAB Recommendation January 2017
- DOE Response March 2017
- Update: DOE still assessing closure options for CAU 576



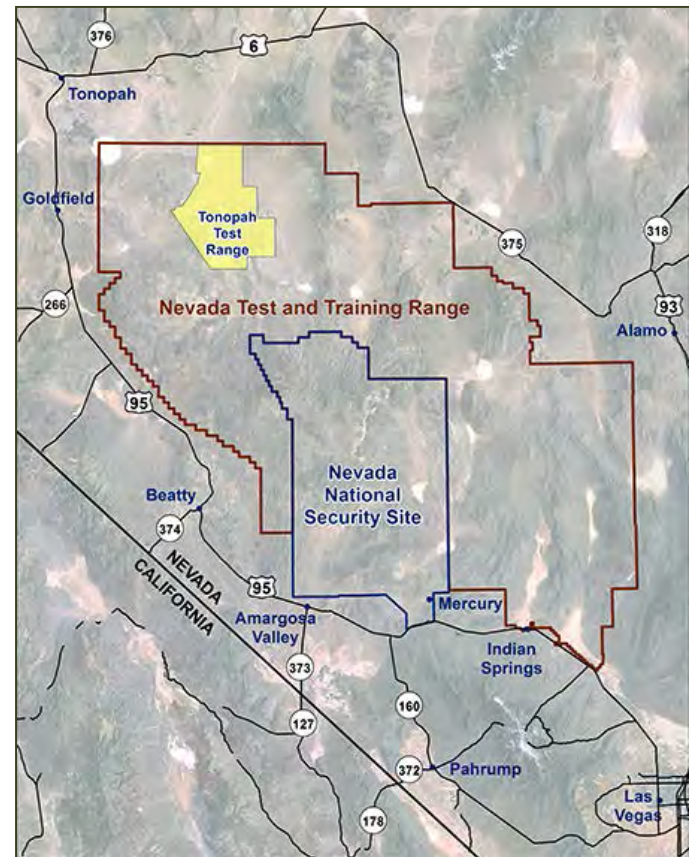
Soils FY 2018 Planned Activities

- Clean Slate II Plutonium Dispersion (CAU 413)
 - Planned: Contaminated soil removal
 - Planned: Submit the final Closure Report to NDEP
- Clean Slate III Plutonium Dispersion (CAU 414)
 - Planned: Submit the final CADD/CAP to NDEP
 - Planned: Contaminated soil removal
- Miscellaneous Radiological Sites and Debris (CAU 576)
 - Planned: Submit the final CADD/CAP or CADD/CR to NDEP



Proposed FY 2018 NSSAB Work Plan Item

- Path forward for responsibility for closed environmental restoration sites at the Tonopah Test Range



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Log No 2017-169

Underground Test Area (UGTA) Fiscal Year (FY) 2017 Wrap Up and FY 2018 Planned Activities



Bill Wilborn

UGTA Technical Lead

Nevada Site Specific Advisory Board

September 20, 2017



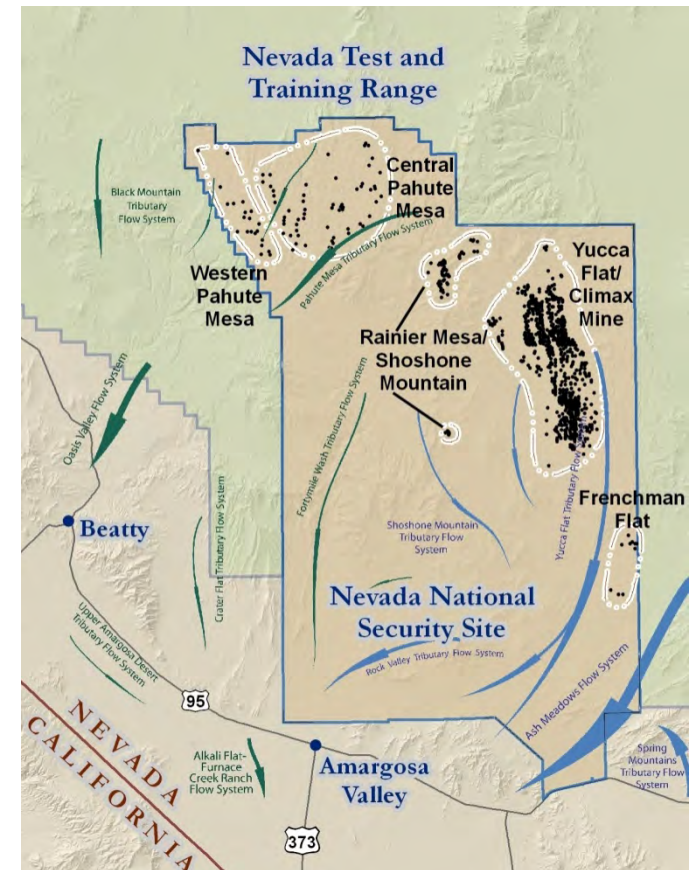
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UGTA Corrective Action Units (CAUs)

- There are five CAUs that make up the UGTA activity:
 - Frenchman Flat (CAU 98)
 - Yucca Flat/Climax Mine [YF/CM] (CAU 97)
 - Rainier Mesa/Shoshone Mountain [RM/SM] (CAU 99)
 - Central Pahute Mesa* (CAU 101)
 - Western Pahute Mesa* (CAU 102)



**Western and Central Pahute Mesa are managed as one entity*



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Log No 2017-167

UGTA FY 2017 Wrap Up

- Yucca Flat/Climax Mine
 - Planned: Perform Well Development, Testing and Sampling for Yucca Flat Wells ER-3-3 and ER-4-1
 - Status: Field activities completed February 2017
 - Planned: Finish drilling reports for Yucca Flat Wells ER-2-2, ER-3-3, and ER-4-1
 - Status: Completed July 2017
 - Planned: Perform Model Evaluation of new data at Yucca Flat
 - Status: On-going – completion planned for FY 2018



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UGTA FY 2017 Wrap Up

(continued)

- Rainier Mesa/Shoshone Mountain
 - Planned: Complete draft Rainier Mesa Flow and Transport Model
 - Status: Completion expected by end of FY 2017
 - Planned: Select External Peer Review panel
 - Status: Completion expected by end of FY 2017



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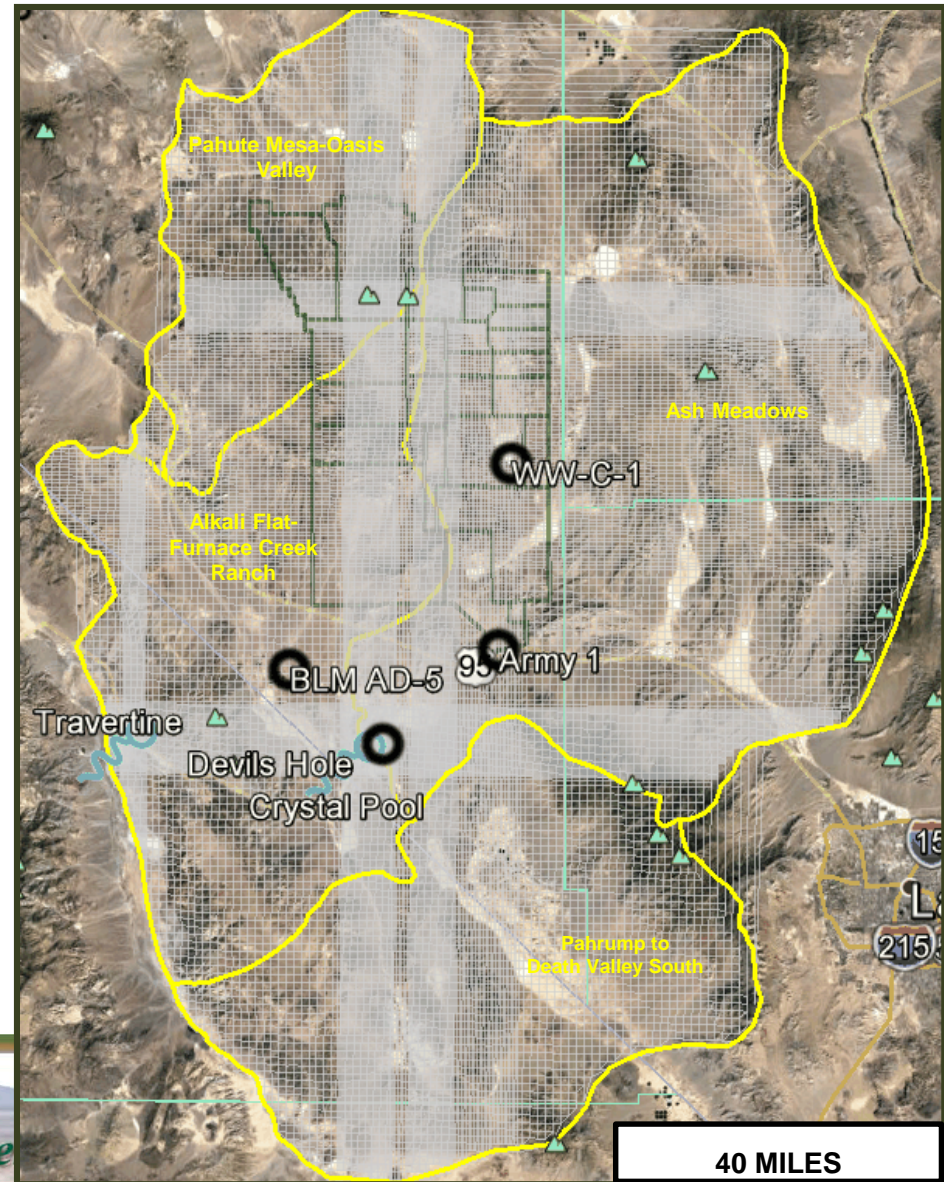
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Log No 2017-167

UGTA FY 2017 Additional Activities

- For all CAUs
 - Planned: Complete Death Valley Regional Flow System model
 - Status: Modeling basically completed, reviews and documentation to be completed in FY 2018



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UGTA FY 2017 Additional Activities

(continued)

- Completed (or planned to be completed) sampling of 28 well completions:
 - 20 in Pahute Mesa
 - 1 in Yucca Flat
 - 7 in Rainier Mesa
- Submitted Hydraulic Head Monitoring Report
- Submitted calendar year 2016 Annual Sampling Report



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UGTA FY 2017 Additional Activities

(continued)

- Completed Yucca Flat Corrective Action Decision Document/Corrective Action Plan - approved by NDEP in August 2017
- Conducted Internal Peer Reviews for YF/CM and RM/SM CAUs
- Continued funding support for Nye County Tritium Monitoring Program and internal peer review membership



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FY 2017 NSSAB Work Plan Items

- *Provide a recommendation regarding use of existing and potential sampling techniques*

Status

- NSSAB Recommendation April 2017
- DOE Response June 2017
- Received draft cost estimates from BESST, Inc. July 2017



UGTA Team and NSSAB Members Observe Panacea Pump at BESST, Inc. – March 14, 2017



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FY 2017 NSSAB Work Plan Items

(continued)

- *Provide a recommendation as to how the internal peer review process could be enhanced*

Status

- | | |
|--------------------------------|----------------|
| • NSSAB Recommendation (RM/SM) | April 2017 |
| • DOE Response (RM/SM) | June 2017 |
| • NSSAB Recommendation (YF/CM) | June 2017 |
| • DOE Response (YF/CM) | September 2017 |



NSSAB Members Observe RM/SM Internal Peer Review Process –
March 28, 2017



UGTA

FY 2018 Planned Activities



- Yucca Flat – CAU is in Model Evaluation phase; FY 2018 activity will be:
 - Perform Model Evaluation Data Analysis through September 2018



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UGTA

FY 2018 Planned Activities

(continued)



- Rainier Mesa –
Preparing for External
Peer Review; FY 2018
activity will be:
 - Conduct External
Peer Review –
completion by June
2018



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UGTA FY 2018 Planned Activities

(continued)

- Pahute Mesa – CAU is in Corrective Action Investigation phase; FY 2018 activities will be:
 - Complete Corrective Action Investigation Plan Revision by July 2018
 - Conduct Internal Peer Reviews – analysis and evaluation of geology and hydrology - varied completion dates



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Proposed FY 2018 NSSAB Work Plan Items



Tour of Core Library

- Core Library
- Internal Peer Review Process for Pahute Mesa (Carryover from FY 2017)



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Waste Management Fiscal Year (FY) 2017 Wrap Up and FY 2018 Planned Activities



Rob Boehlecke

Program Manager for the EM Nevada Program
Nevada Site Specific Advisory Board (NSSAB)
September 20, 2017



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Waste Management FY 2017 Wrap Up

- Planned: Safely dispose almost 1.3 million cubic feet (ft³) of forecasted low-level radioactive waste (LLW), mixed LLW (MLLW), and classified waste at the Nevada National Security Site (NNSS)
 - Status: As of June 30, 2017, the NNSS safely disposed of almost 580K ft³ of LLW/MLLW/classified waste
 - FY 2017 total volume revised projections for 1.0 million ft³ of LLW/MLLW/classified waste



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Log No 2017-168

Waste Management FY 2017 Wrap Up (continued)

- Planned: Submit annual Performance Assessment Summary Report to the LLW Federal Review Group
 - Status: Submitted in April 2017
- Planned: Submit annual NNSS Groundwater Monitoring Program Area 5 Radioactive Waste Management Site Data Report to the State of Nevada Division of Environmental Protection (NDEP)
 - Status: Submitted in April 2017



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Waste Management FY 2017 Wrap Up (continued)



- Planned: Submit permit modification application to construct new MLLW cell
 - Status: Approved by NDEP in July 2017



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Log No 2017-168

Waste Management FY 2017 Additional Activities



- Radioactive Waste Acceptance Program (RWAP) conducted 26 facility evaluations



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FY 2017 NSSAB Work Plan Item



- *Provide a recommendation for ways to improve the RWAP assessment process*

Status

- NSSAB members attended RWAP surveillance in Idaho Falls, Idaho - August 2017
- NSSAB Recommendation - Pending



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Waste Management FY 2018 Planned Activities



- Safely dispose almost 1.9 million ft³ of forecasted LLW/MLLW/classified waste at the NNSS
- Submit annual Performance Assessment Summary Report to the LLW Federal Review Group
- Conduct RWAP facility evaluations



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Log No 2017-168

Waste Management

FY 2018 Planned Activities

(continued)

- Submit annual NNSS Groundwater Monitoring Program Area 5 Radioactive Waste Management Site Data Report to NDEP
- Construct new MLLW disposal cell
 - Mobilization of equipment on-site in September 2017
 - Operational by late winter or early spring 2018



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Log No 2017-168

Proposed FY 2018 NSSAB Work Plan Items



- Real-Time Radiography Usage (RTR) on LLW Packages



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Proposed FY 2018 NSSAB Work Plan Items



- Location of Monitoring Well at the Area 5 Radioactive Waste Management Complex (RWMC)



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Log No 2017-168

Environmental Management (EM) Work Plan Status Fiscal Year (FY) 2017 Wrap Up and FY 2018 Planned Activities



Rob Boehlecke

Program Manager for EM Nevada Program
U.S. Department of Energy (DOE)
Nevada Site Specific Advisory Board (NSSAB)
September 20, 2017



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FY 2017 NSSAB Work Plan Items

Review FY 2019 baseline funding needs and provide a recommendation to the DOE prioritizing the work by activity
Status

- NSSAB Recommendation March 2017
- DOE Response to NSSAB March 2017
- Draft Budget Guidance Issued by EM Headquarters (HQ) to Field Offices May 2017
- Draft Integrated Priority List Submitted to EM HQ May 2017
- EM Nevada Program Presented Draft Budget Briefing to EM Headquarters (HQ) June 2017



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FY 2017 NSSAB Work Plan Items

(continued)

Review FY 2019 baseline funding needs and provide a recommendation to the DOE prioritizing the work by activity (continued from previous page)

Status

- Final DOE Budget to Office of Management and Budget (OMB) TBD~September 2017
- OMB Passback TBD~December 2017
- President's Budget to Congress TBD~February 2018



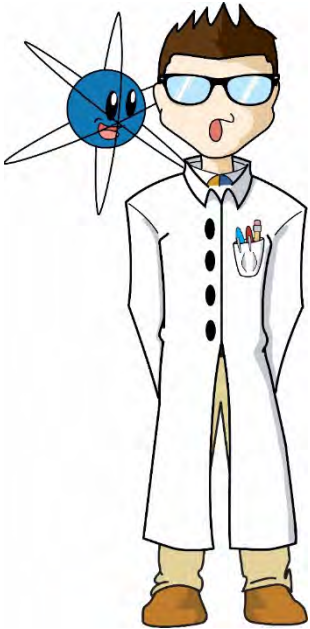
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FY 2017 NSSAB Work Plan Items

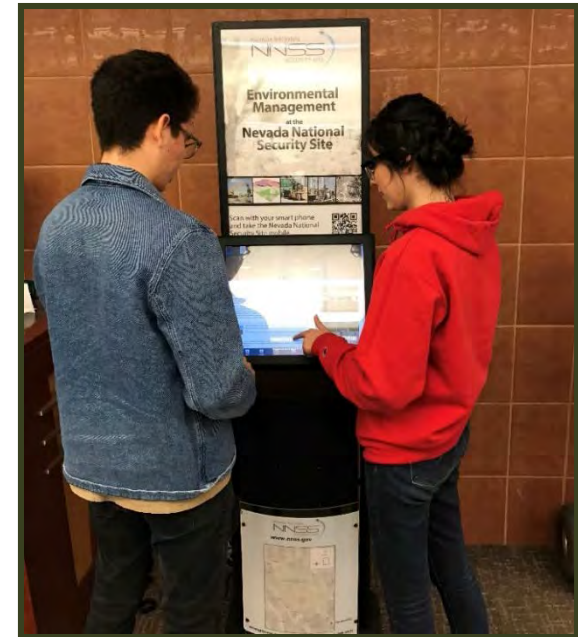
(continued)

Provide a recommendation if additional communication tools should be developed to help communicate groundwater-related topics to the general public



Status

- NSSAB Recommendation
~August 2017
- DOE Response
~September 2017



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FY 2017 NSSAB Work Plan Items (continued)

Provide a recommendation on ways the DOE can improve/enhance communication to the public

Status

- NSSAB Recommendation
~Board action tonight
- DOE Response
~Pending upon receipt
of recommendation



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Log No. 2017-166

Proposed FY 2018 NSSAB Work Plan Items



- Community Interest Analysis
- FY 2020 Baseline Prioritization



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Nevada Site Specific Advisory Board
Proposed FY 2018 Work Plan

Item 1	Work Plan Item:	<i>Path forward for Closed Environmental Restoration Sites at the Tonopah Test Range</i>
	Deadline:	May 2018
	Description:	<p>Need: The EM NV Program has successfully completed numerous restoration activities at the Tonopah Test Range but continues to maintain responsibility for long-term monitoring. A long-term path forward needs to be established to determine who will be responsible for the sites once restoration is completed.</p> <p>In January 2018, the EM NV Program will provide a briefing to the NSSAB that outlines what Environmental Restoration sites are located on the Tonopah Test Range and their current status. This will be followed by a discussion on if the sites should remain under EM NV Program control or be turned over to another entity, such as the DOE Office of Legacy Management.</p> <p>NSSAB Scope: From a community perspective, the NSSAB will provide a recommendation on its preferred path forward for the Environmental Restoration Sites at the Tonopah Test Range.</p>

Item 2	Work Plan Item:	<i>Core Library</i>
	Deadline:	November 2017
	Description:	<p>Need: The Core Library located in Mercury, NV is a large facility that is funded in part by the EM NV Program. The EM NV Program is interested in exploring ways the purpose of the core library could be met in more efficient ways.</p> <p>In November 2017, the EM NV Program will provide a briefing to the NSSAB on the Core Library and potential options for long-term safeguarding of EM-related core.</p> <p>From a community perspective, the NSSAB will provide a recommendation on its preferred path forward for the Core Library.</p>

Nevada Site Specific Advisory Board
Proposed FY 2018 Work Plan

Item 3 <i>Carryover from FY 2017</i>	Work Plan Item:	<i>Internal Peer Review Process Improvement</i>
	Deadline:	January 2018
	Description:	<p>In January 2017, the EM NV Program provided a briefing to the NSSAB explaining the purpose of an internal peer review and how the Underground Test Area (UGTA) activity currently conducts them. The Board was invited to observe the internal peer review meetings for Rainer Mesa/Shoshone Mountain and Yucca Flat/Climax Mine in FY 2017. In FY 2018, the Board will be invited to send representatives to observe the internal peer review meetings for Pahute Mesa.</p> <p>From a community perspective, the NSSAB will provide a recommendation as to how the internal peer review process could be enhanced.</p>

Item 4	Work Plan Item:	<i>Location of Monitoring Well at the Area 5 Radioactive Waste Management Complex</i>
	Deadline:	September 2018
	Description:	<p>Need: The EM NV Program is required to install a monitoring well at or near the Area 5 Radioactive Waste Management Complex.</p> <p>In May 2018, the EM NV Program will provide a briefing to the NSSAB explaining the purpose of the monitoring well at the Area 5 Radioactive Waste Management Complex and potential options for well locations.</p> <p>From a community perspective, the NSSAB will provide a recommendation regarding where they think the well should be placed.</p>

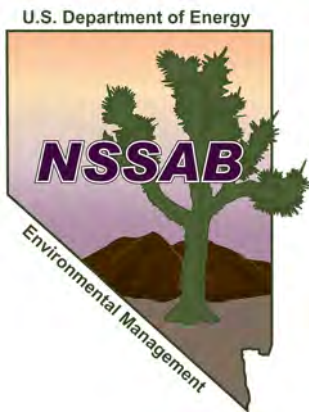
Nevada Site Specific Advisory Board
Proposed FY 2018 Work Plan

Item 5	Work Plan Item:	<i>Real-Time Radiography Usage on Low-Level Waste Packages</i>
	Deadline:	September 2018
	Description:	<p>Need: The EM NV Program has Real-Time Radiography technology that allows for the non-destructive verification of waste packages that are received for disposal. Funding and resources limit how often it can be used. The EM NV Program is considering how the technology will be used in regard to Low-Level Waste packages.</p> <p>In July 2018, the EM NV Program will provide a briefing to the NSSAB describing the Real-Time Radiography capability at the Area 5 Radioactive Waste Management Complex and the Department's options for use of the technology.</p> <p>NSSAB Scope: From a community perspective, the NSSAB will provide a recommendation on its preferred use of the technology in regard to Low-Level Waste.</p>

Item 6	Work Plan Item:	<i>Community Interest Analysis</i>
	Deadline:	July 2018
	Description:	<p>Need: EM NV Program would like to better understand the level of interest and concern that communities near the NNSS have regarding EM activities. This information will help EM NV determine what needs to be communicated, how to communicate it, and how often.</p> <p>In November 2017, the EM NV Program will provide a briefing to the NSSAB explaining the current outreach conducted by the EM NV Program and an outline of what information the EM NV Program hopes to gain through the NSSAB.</p> <p>From a community perspective, the NSSAB will develop a plan for gathering information from fellow community members regarding their EM interests and to gauge their level of concern regarding these activities. The NSSAB will then provide a recommendation for how the EM NV Program could shape its outreach based on the results of the community feedback.</p>

Nevada Site Specific Advisory Board
Proposed FY 2018 Work Plan

Item 7	Work Plan Item:	<i>FY 2020 Baseline Prioritization</i>
	Deadline:	March 2018
	Description:	In March 2018, the EM NV Program will provide briefings on planned FY 2020 activities From a community perspective, the NSSAB will provide a recommendation ranking the activities.



Nevada Site Specific Advisory Board

September 20, 2017

Members

Amina Anderson
Michael Anderson
Arcadio Bolanos
Frank Bonesteel (Vice-Chair)
Michael D'Alessio
Karen Eastman
Pennie Edmond
Raymond Elgin
Charles Fullen
Richard Gardner
Donald Neill
Autumn Pietras
Edward Rosemark
Steve Rosenbaum (Chair)
William Sears
Cecilia Flores Snyder
Richard Stephans
Jack Sybolt
Richard Twiddy
Dina Williamson-Erdag

Liaisons

Clark County
Consolidated Group of Tribes
and Organizations
Esmeralda County Commission
Nye County Commission
Nye County Emergency
Management
Nye County Nuclear Waste
Repository Project Office
State of Nevada Division of
Environmental Protection
U.S. National Park Service
White Pine County Commission

Administration

Barbara Ulmer, Administrator
Navarro
Kelly Snyder, DDFO
U.S. Department of Energy,
EM Nevada Program

Ms. Kelly Snyder, DDFO
U.S. Department of Energy, EM Nevada Program
P.O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Proposed Fiscal Year (FY) 2018 Nevada Site Specific Advisory
Board (NSSAB) Work Plan

Dear Ms. Snyder,

At our September 20, 2017, Full Board meeting, the NSSAB had the opportunity to review the list of activities the Department of Energy (DOE) proposed the NSSAB incorporate into its FY 2018 work plan. In addition, the NSSAB also discussed potential tasks. After Full Board discussion, the NSSAB would like DOE's approval for the attached work plan.

We appreciate the opportunity to review and comment on Environmental Management activities at the Nevada National Security Site and look forward to a productive year.

Sincerely,

Steve Rosenbaum, Chair

cc: D. A. Borak, DOE/HQ (EM-3.2)
M. R. Hudson, DOE/HQ (EM-3.2)
B. K. Ulmer, Navarro
NSSAB Members and Liaisons
R. F. Boehlecke, EM/NFO
C. E. Hampton, EM/NFO
NFO Read File

October 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9 Columbus Day	10	11	12	13	14
15	16 EM SSAB Chairs' Meeting in Hanford	17 EM SSAB Chairs' Meeting in Hanford	18 EM SSAB Chairs' Meeting in Hanford	19 EM SSAB Chairs' Meeting in Hanford	20	21
22	23	24	25 NSSAB Work Plan Tour of the NNSS	26	27	28
29	30	31				

November 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8 NSSAB Full Board Meeting at 4 p.m. in Las Vegas, NV	9 LLW Stakeholders Forum in Las Vegas, NV	10	11 Veterans Day
12	13	14	15	16	17	18
19	20	21	22	23 Thanksgiving Day	24	25
26	27	28	29	30		

December 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25 Christmas	26	27	28	29	30
31						

January 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 New Year's Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15 M L King Day	16	17 NSSAB Full Board Meeting at 4 p.m. in Tonopah or Beatty, NV	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19 Presidents' Day	20	21	22	23	24
25	26	27	28			

March 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14 NSSAB Full Board Meeting at 4 p.m. In Las Vegas, NV	15	16	17
18 Waste Mgmt Symposia in Phoenix	19 Waste Mgmt Symposia in Phoenix	20 Waste Mgmt Symposia in Phoenix	21 Waste Mgmt Symposia in Phoenix	22 Waste Mgmt Symposia in Phoenix	23	24
25	26	27	28	29	30	31

April 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Easter Sunday	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 NSSAB Full Board Meeting at 4 p.m. in Las Vegas, NV	17	18	19
20	21	22	23	24	25	26
27	28 Memorial Day	29	30	31		

June 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 Independence Day	5	6	7
8	9	10	11	12	13	14
15	16	17	18 NSSAB Full Board Meeting at 4 p.m. in Pahrump, NV	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Labor Day	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19 NSSAB Full Board Meeting at 4 p.m. In Las Vegas, NV	20	21	22
23	24	25	26	27	28	29
30						